

# Door Window Sensor



## Features

- EU, US, and Asia frequency supported
- LoRaWAN 1.1
- -20 to 50°C operation temperature range
- Hall-Effect sensor
- 1 cm detection range



The Tabs Door & Window sensor fits into any interior design and is easy to install. It is composed of two parts. The main body contains the active electronics to measure magnetic fields and transmit data, if any changes, to a LoRaWAN network. The other part is a permanent magnet of sufficient field strength to be detected by the Hall-Effect sensor on the main body.

## Specification

Frequency	868MHz & 915MHz
RF TX power	+19dBm (Conducted)
Antenna Gain	-2dBi Peak, -5dBi Avg
RF Sensitivity	-140dBm (Conducted)
Battery Type	3.6V ½ AA Li-SOCI2, 1200mAh
Battery Lifetime*	4 years
Average Current	135mA maximum/ 5uA minimum
Protocol	LoRaWAN 1.1
Operation Temperature	0 to 50°C
Environmental Rating	IP50 equivalent
Dimensions	50mm x 20mm x 50mm
Weight	30g without battery 40g with battery
Detection Distance	1 cm
Sensor	Hall-Effect sensor

\*Assuming TX updates every 20 minutes with SF7 due to close proximity to gateway in home

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## SKU Detail

SKU	Country	Channels	Frequency Band (MHz)
TBDW100-868	Europe	8	EU868 (862~870)
TBDW100-915	USA	16	US915 (902~928)